

9 & 10: Oceans - research day, presentation day

Research, quote your sources, create power point, email to tdella@sd43.bc.ca

- Find cross-sections of different areas of the ocean floor; why are they different?
- What percent of Earth's surface is covered by oceans? How might this change with global warming? How has it changed historically during ice ages, etc?
- Currents - surface and vertical/density; draw the currents (and temperatures) that affect us here.
- Ocean's effect on climate? Different areas affected how?
- CO2 amount in oceans - released into atmosphere as ocean evaporates? What is the relationship?
- Sampling of the types of life found in the ocean in different locations; numbers of species compared to on land?
- Pollution - floating on surface; toxins mixed in, from where? are they significant compared to quantity of water in ocean?
- What is the average temperature of the ocean? How does that vary from area to area? How has it changed over the years?
- Composition of the ocean? How does this vary depending on ocean temperatures (ie near poles or equator)
- Why is the ocean salty? And some lakes are too, why? Most lakes are fresh water, why?